



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Florida Window Systems, Corp.
7191 NW 77 Terr.
Medley, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Outswing Aluminum Casement Window -- L.M.I.

APPROVAL DOCUMENT: Drawing No. W03-36, titled "Alum. Outswing Casement Window (L.M.I.)", sheets 1 through 6 of 6, dated 05/28/03, with revision D dated 11/01/13, prepared by Al-Farooq, Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 12-0514.15 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
7/11/01/13

NOA No. 13-0916.09
Expiration Date: September 18, 2014
Approval Date: November 07, 2013
Page 1

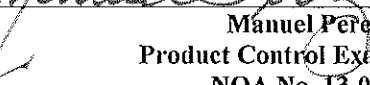
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W03-36**, Sheets 1 through 6 of 6, titled "Alum. Outswing Casement Window (L.M.I.)", dated 05/28/03, with revision D dated 11/01/13, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-03-1312** dated 4/17/03, signed and sealed by Rafael Droz, P.E.
(Submitted under previous NOA #03-0612.04)
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum casement vinyl window, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-02-1752** dated 12/3/02, signed and sealed by Rafael Droz-Seda, P.E.
(Submitted under previous NOA #03-0612.04)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement vinyl window, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-02-1230** dated 6/23/02, signed and sealed by Rafael Droz-Seda, P.E.
(Submitted under previous NOA #03-0612.04)
4. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum casement vinyl window, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-02-1751** dated 12/3/02, signed and sealed by Rafael Droz-Seda, P.E.
(Submitted under previous NOA #03-0612.04)
5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement vinyl window, prepared by Hurricane Engineering & Testing, Inc. Test Report No. **HETI-02-1235** dated 7/3/02, signed and sealed by Rafael Droz-Seda, P.E.
(Submitted under previous NOA #03-0612.04)


Manuel Perez, P.E.
Product Control Examiner
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 03/27/12, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA #12-0514.15)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **12-1231.10** issued to **Eastman Chemical Company (MA)** for their "**Saflex Clear and Color Glass Interlayers**" dated 03/28/13, expiring on 05/21/16.
2. Notice of Acceptance No. **13-0909.10** issued to **Glasslam N.G.I., Inc.** for their "**Glasslam Safety-Plus II Glass Interlayer**" dated 10/03/13, expiring on 08/07/18.

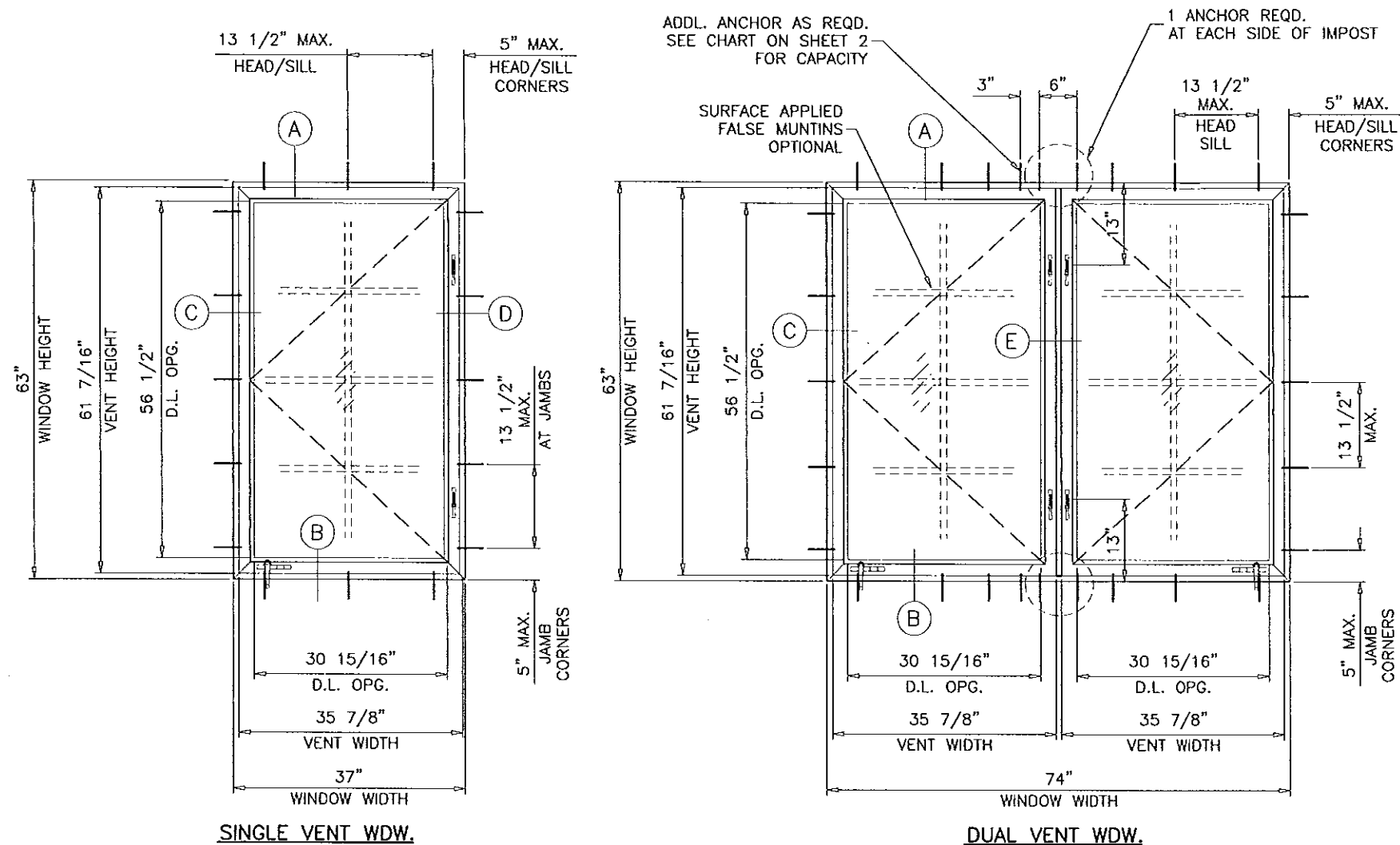
F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC-2010**, dated August 08, 2013, signed and sealed by Javad Ahmad, P.E.
2. Statement letter of conformance, complying with the **FBC-2010**, and of no financial interest, dated March 27, 2012, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA #12-0514.15)
3. Testing agreement letter, dated 09/10/13 between Fenestration Testing Laboratory (FTL) and Florida Windows, issued by FTL and signed by Leigh B. Sanchez.

G. OTHER

1. Notice of Acceptance No. **12-0514.15**, issued to Florida Window Systems, Corp. for their "Outswing Aluminum Casement Window – L.M.I.", approved on 08/02/12 and expiring on 09/18/13.
2. One year approval, subjected to successful verification test, the final approval will be issued for the balance of the remaining 4 years, of a total of 5 years.


Manuel Perez, P.E.
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THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

ALUMINUM OUTSWING CASEMENT WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE VENT OR DUAL VENT WINDOWS WITH X AND XX CONFIGURATIONS.

ALSO COMBINATIONS OF CASMT/CASMT OR CASMT WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

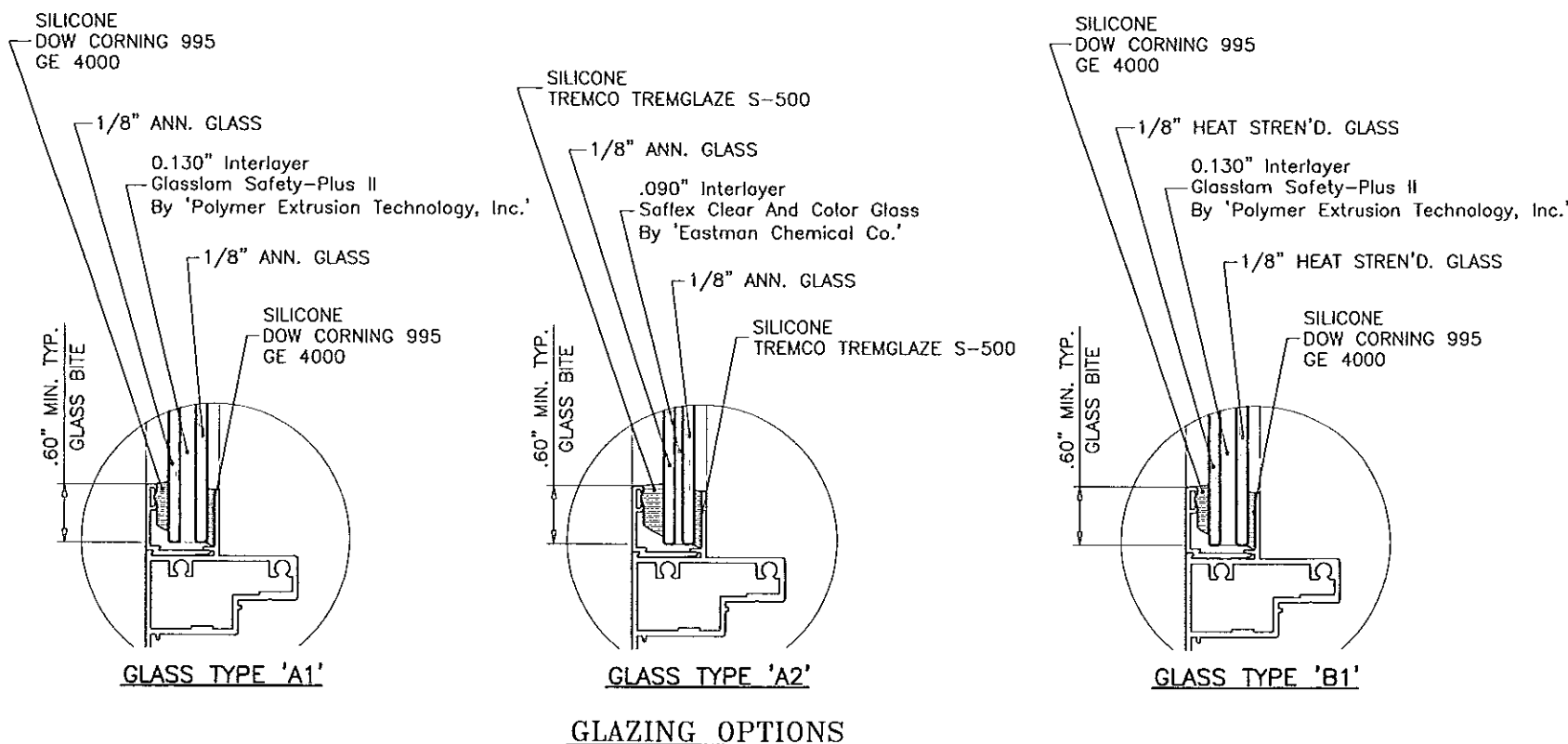
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-0916-09
Expiration Date Sept. 18, 2014

By *Manuel Perez*
Miami Dade Product Control

NOV 01 2013



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W03-36FWS

ALUM OUTSWING CASEMENT WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS CORP.
7191 N.W. 77 TERRACE
MEDLEY, FL 33166
TEL (305) 805-9420 FAX (305) 805-9424

no.	date	description
A	8.26.03	STEEL NOTE ADDED
B	06.20.07	UPDATED FOR 2004 FBC
C	03.28.12	UPDATED TO 2010 FBC
D	11.01.13	INTERLAYER NAMES REV.

date: 05-28-03
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W03-36
sheet 1 of 6

DESIGN LOAD CAPACITY - PSF FOR (X) SIZES					
WINDOW DIMS.		GLASS TYPES 'A1' & 'A2'		GLASS TYPE 'B1'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26" (3)	55.0	55.0	75.0	80.0
26-1/2"		55.0	55.0	75.0	80.0
37"		55.0	55.0	75.0	80.0
19-1/8"	38-3/8" (4)	55.0	55.0	75.0	80.0
26-1/2"		55.0	55.0	75.0	80.0
37"		55.0	55.0	75.0	80.0
19-1/8"	50-5/8" (5)	55.0	55.0	75.0	80.0
26-1/2"		55.0	55.0	75.0	80.0
37"		55.0	55.0	75.0	80.0
19-1/8"	63" (5)	45.5	45.5	75.0	80.0
26-1/2"		34.0	34.0	75.0	80.0
37"		-	-	75.0	80.0
19-1/8"	74-1/4" (6)	27.5	27.5	75.0	80.0
26-1/2"		-	-	66.8	66.8
37"		-	-	-	-
18"	24" (3)	55.0	55.0	75.0	80.0
24"		55.0	55.0	75.0	80.0
30"		55.0	55.0	75.0	80.0
36"		55.0	55.0	75.0	80.0
18"	36" (3)	55.0	55.0	75.0	80.0
24"		55.0	55.0	75.0	80.0
30"		55.0	55.0	75.0	80.0
36"		55.0	55.0	75.0	80.0
18"	48" (4)	55.0	55.0	75.0	80.0
24"		55.0	55.0	75.0	80.0
30"		55.0	55.0	75.0	80.0
36"		55.0	55.0	75.0	80.0
18"	60" (5)	55.0	55.0	75.0	80.0
24"		43.2	43.2	75.0	80.0
30"		35.9	35.9	75.0	80.0
36"		-	-	75.0	80.0
18"	72" (6)	32.0	32.0	75.0	80.0
24"		24.5	24.5	75.0	80.0
30"		-	-	66.0	66.0
36"		-	-	-	-

() = NO. OF ANCHORS PER JAMB

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF FOR (XX) SIZES							
WINDOW DIMS.		UNREINFORCED CENTER POST				REINFORCED CENTER POST	
		GLASS TYPES 'A1' & 'A2'		GLASS TYPE 'B1'		GLASS TYPE 'B1'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
26-1/2"	26" (3)	55.0	55.0	75.0	80.0	75.0	80.0
37"		55.0	55.0	75.0	80.0	75.0	80.0
53-1/8"		55.0	55.0	75.0	80.0	75.0	80.0
74"		55.0	55.0	75.0	80.0	75.0	80.0
26-1/2"	38-3/8" (4)	55.0	55.0	75.0	80.0	75.0	80.0
37"		55.0	55.0	75.0	80.0	75.0	80.0
53-1/8"		55.0	55.0	75.0	80.0	75.0	80.0
74"		55.0	55.0	75.0	80.0	75.0	80.0
26-1/2"	50-5/8" (5)	55.0	55.0	75.0	80.0	75.0	80.0
37"		55.0	55.0	75.0	80.0	75.0	80.0
53-1/8"		55.0	55.0	75.0	80.0	75.0	80.0
74"		55.0	55.0	65.7	65.7	75.0	80.0
26-1/2"	63" (5)	55.0	55.0	75.0	80.0	75.0	80.0
37"		47.0	47.0	75.0	80.0	75.0	80.0
53-1/8"		34.0	34.0	68.4	68.4	75.0	80.0
74"		-	-	52.8	52.8	65.8	65.8
26-1/2"	74-1/4" (6)	39.2	39.2	75.0	79.0	75.0	80.0
37"		28.4	28.4	57.2	57.2	75.0	80.0
53-1/8"		-	-	40.9	40.9	66.7	66.7
74"		-	-	-	-	-	-
24"	24" (3)	55.0	55.0	75.0	80.0	75.0	80.0
36"		55.0	55.0	75.0	80.0	75.0	80.0
48"		55.0	55.0	75.0	80.0	75.0	80.0
60"		55.0	55.0	75.0	80.0	75.0	80.0
24"	36" (3)	55.0	55.0	75.0	80.0	75.0	80.0
36"		55.0	55.0	75.0	80.0	75.0	80.0
48"		55.0	55.0	75.0	80.0	75.0	80.0
60"		55.0	55.0	75.0	80.0	75.0	80.0
24"	48" (4)	55.0	55.0	75.0	80.0	75.0	80.0
36"		55.0	55.0	75.0	80.0	75.0	80.0
48"		55.0	55.0	75.0	80.0	75.0	80.0
60"		55.0	55.0	75.0	80.0	75.0	80.0
24"	60" (5)	55.0	55.0	75.0	80.0	75.0	80.0
36"		55.0	55.0	75.0	80.0	75.0	80.0
48"		43.2	43.2	75.0	80.0	75.0	80.0
60"		35.9	35.9	68.4	68.4	75.0	80.0
24"	72" (6)	47.4	47.4	75.0	80.0	75.0	80.0
36"		32.0	32.0	64.5	64.5	75.0	80.0
48"		24.5	24.5	49.3	49.3	75.0	75.2
60"		-	-	40.5	40.5	63.3	63.3

() = NO. OF ANCHORS PER JAMB

*
LOADS WITH ADDL. ANCHOR AT IMPOST

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-0916-09
Expiration Date Sept 16, 2014
By *[Signature]*
Miami Dade Product Control

[Signature]
01 2013

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W03-36FWS

ALUM OUTSWING CASEMENT WINDOW (L.M.I.)

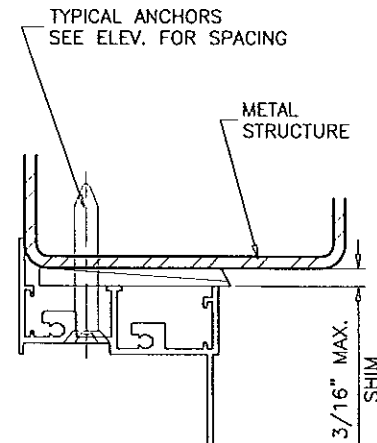
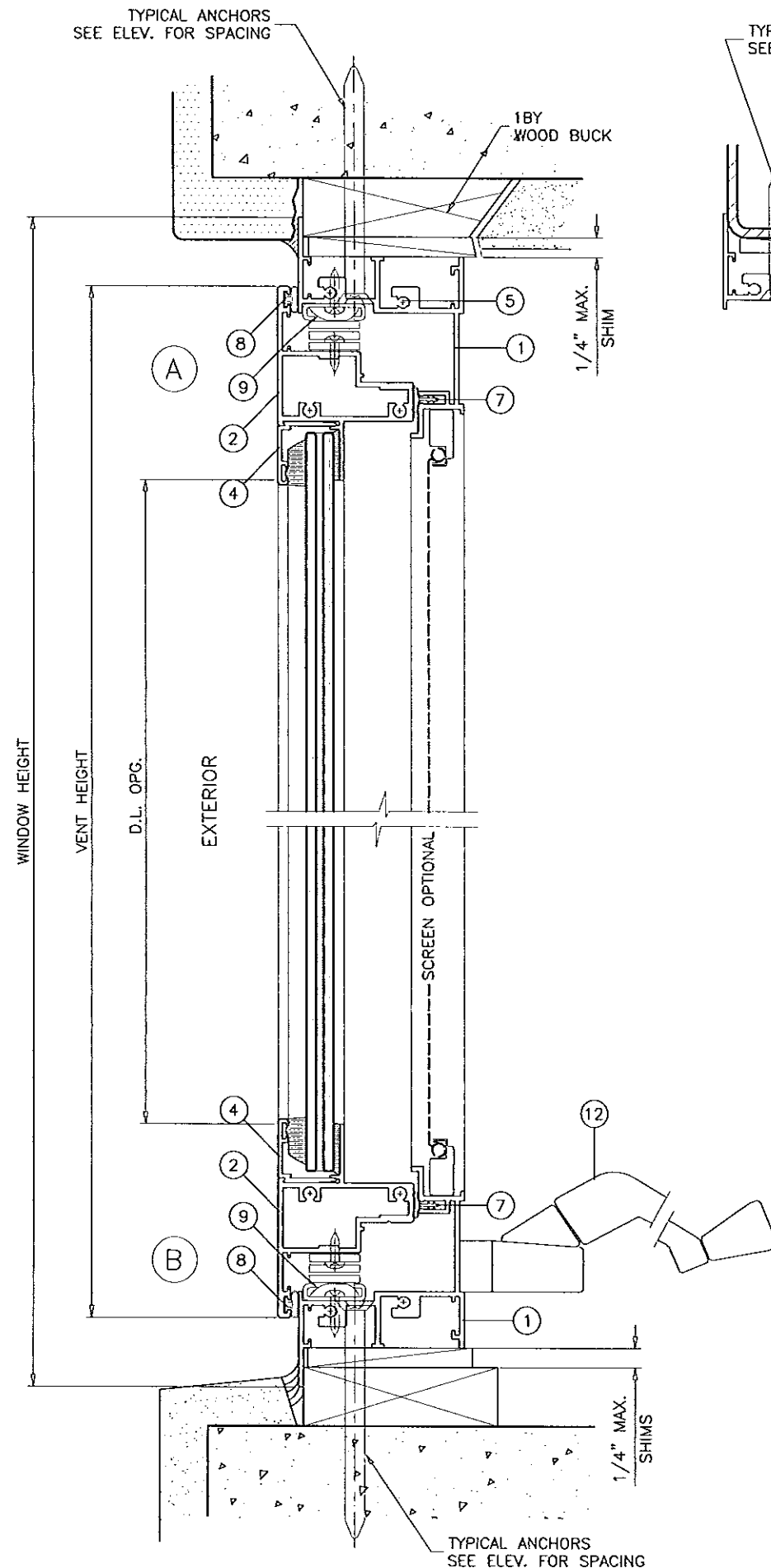
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revisions:

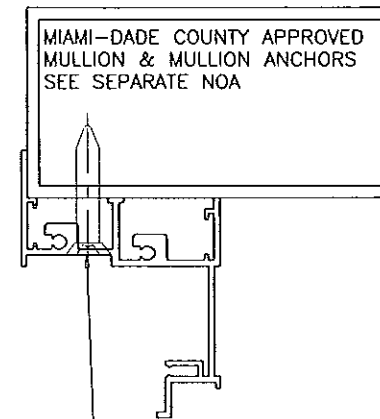
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chk. by:

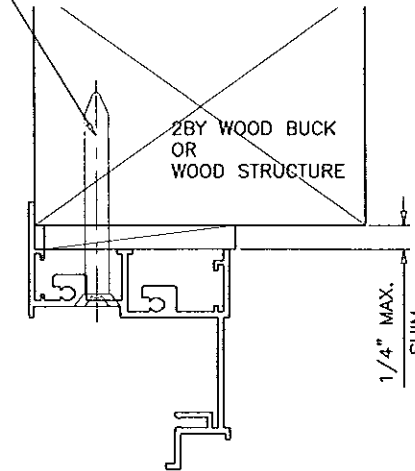
drawing no.
W03-36
sheet 2 of 6



TYPICAL ANCHORS
SEE ELEV. FOR SPACING



TYPICAL ANCHORS
SEE ELEV. FOR SPACING



WOOD BUCKS AND METAL STRUCTURE NOT BY FLORIDA WDW. SYS.
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONC. OR MASONRY

3/16" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#10 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 1-1/4" MIN.

INTO WOOD STRUCTURE = 3/4" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS
SEALED WITH CLEAR/ALUMINUM COLORED SEALANT.

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By *Mamuel*
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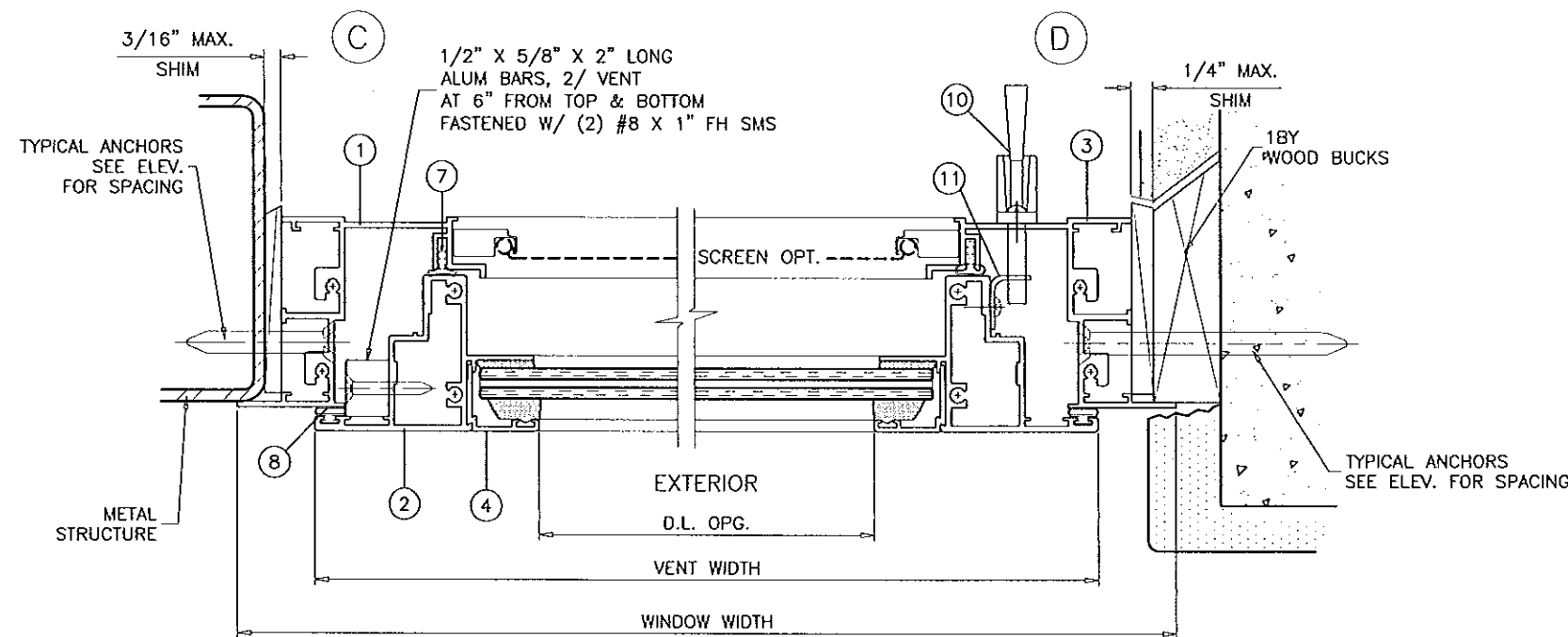
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chk. by:

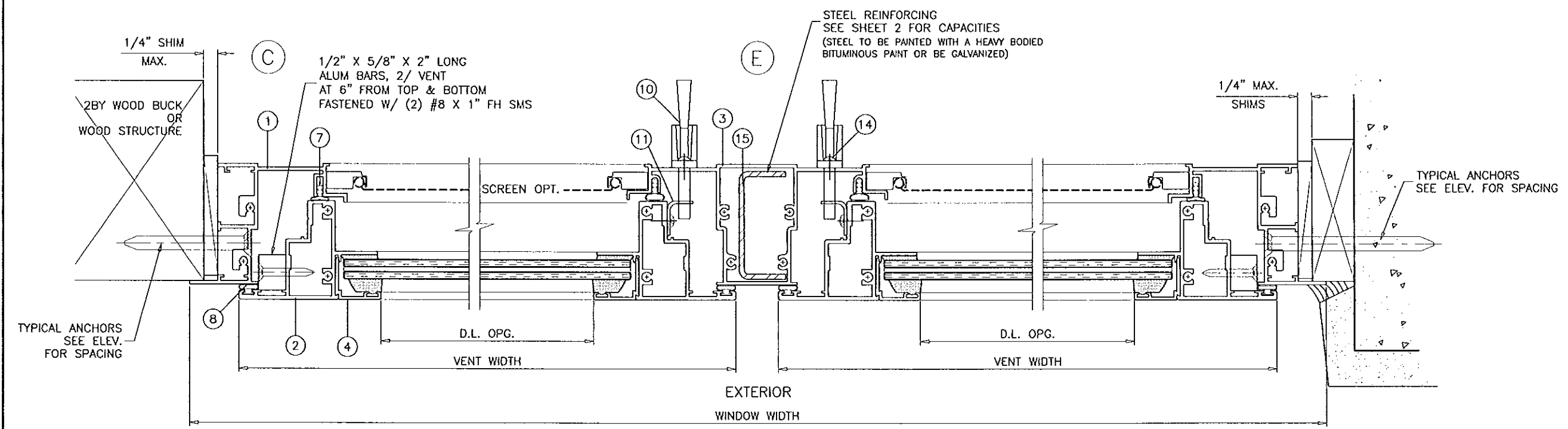
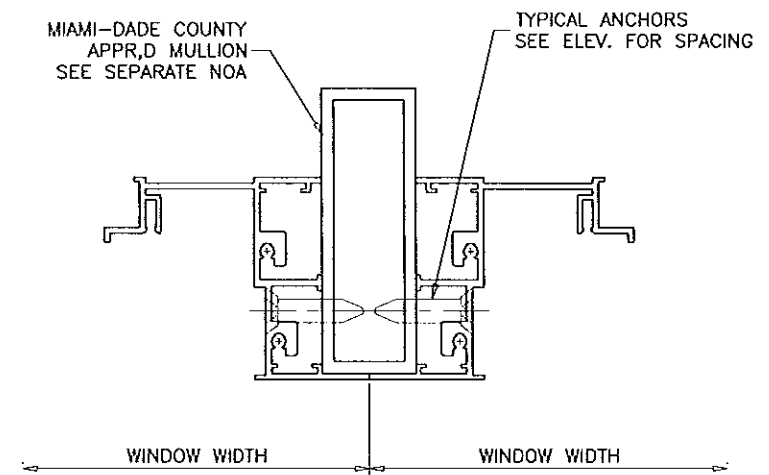
drawing no.

W03-36

sheet 3 of 6



SINGLE VENT WINDOWS




DUAL VENT WINDOWS

Engr: JAVAD AHMAD
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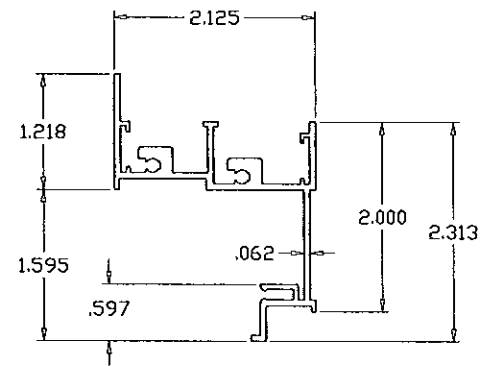
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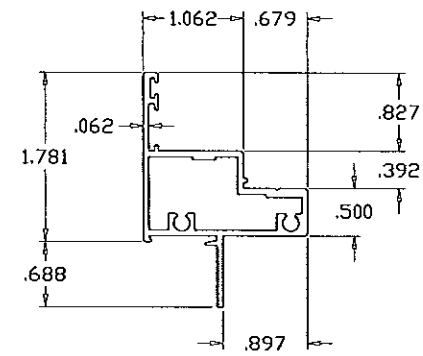
chk. by:

drawing no.
W03-36

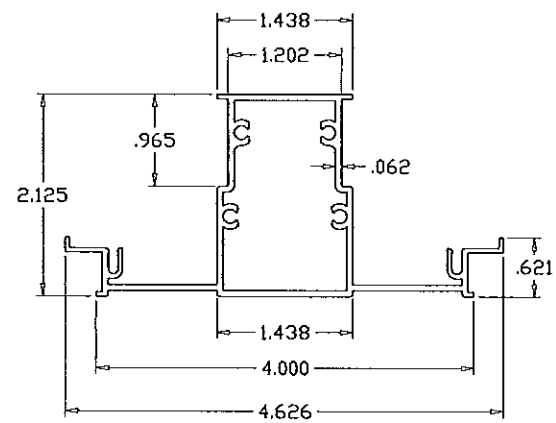
sheet 4 of 6



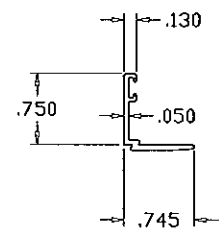
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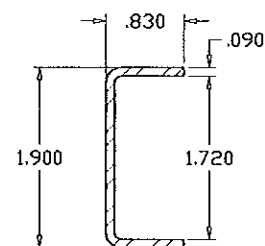
VENT



IMPOST



GLAZING BEAD



REINFORCING CHANNEL
36 KSI STEEL

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	FWS-009	4	FRAME	6063-T6	-
2	FWS-011	4	VENT	6063-T6	-
3	FWS-010	1	CENTER POST	6063-T6	-
4	FWG-008	AS REQD.	GLAZING BEAD	6063-T5	-
5	-	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	#10 X 3/4" PH SMS
6	-	AS REQD.	VENT ASSEMBLY SCREWS	ST. STEEL	#10 X 1-1/2" PH SMS
7	E102	AS REQD.	FRAME WEATHERSTRIPPING (.078 X .300)	VINYL	ULTRAFAB
8	E206	AS REQD.	VENT WEATHERSTRIPPING (.187 X .350)	VINYL	ULTRAFAB
9	34,12,00,100	2/ VENT	4 BAR HINGE, AT TOP AND BOTTOM	STEEL	TRUTH, ATTACHED W/ (6) #8 X 3/8" SS SMS
10	30066	2/ VENT	LEVER TYPE FACE MOUNT LOCK	STEEL	TRUTH, AT 12" FROM TOP AND BOTTOM
11	21087	2/ VENT	LOCK KEEPERS, AT FRAME JAMB FACING LOCK	STEEL	ATTACHED W/ (2) #10 X 3/8" SS SMS
12	40066	1	ROTO OPERATOR	STEEL	TRUTH, ATTACHED W/ (4) #8 X 3/8" SS SMS
13	-	-	.057 THICK CORNER KEY	ST. STEEL	1-1/2" X 1-1/2" X 1/2"
14	-	2/ LOCK	LOCK INSTALLATION SCREWS	-	#12 X 1/2" PH SMS
15	-	AS REQD.	CENTER POST REINFORCING	STEEL	-

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3533

[Signature]

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as complying with the Florida
Building Code
Acceptance No. 13-0916-09
Expiration Date Sept 18, 2014
By *[Signature]*
Miami Dade Product Control

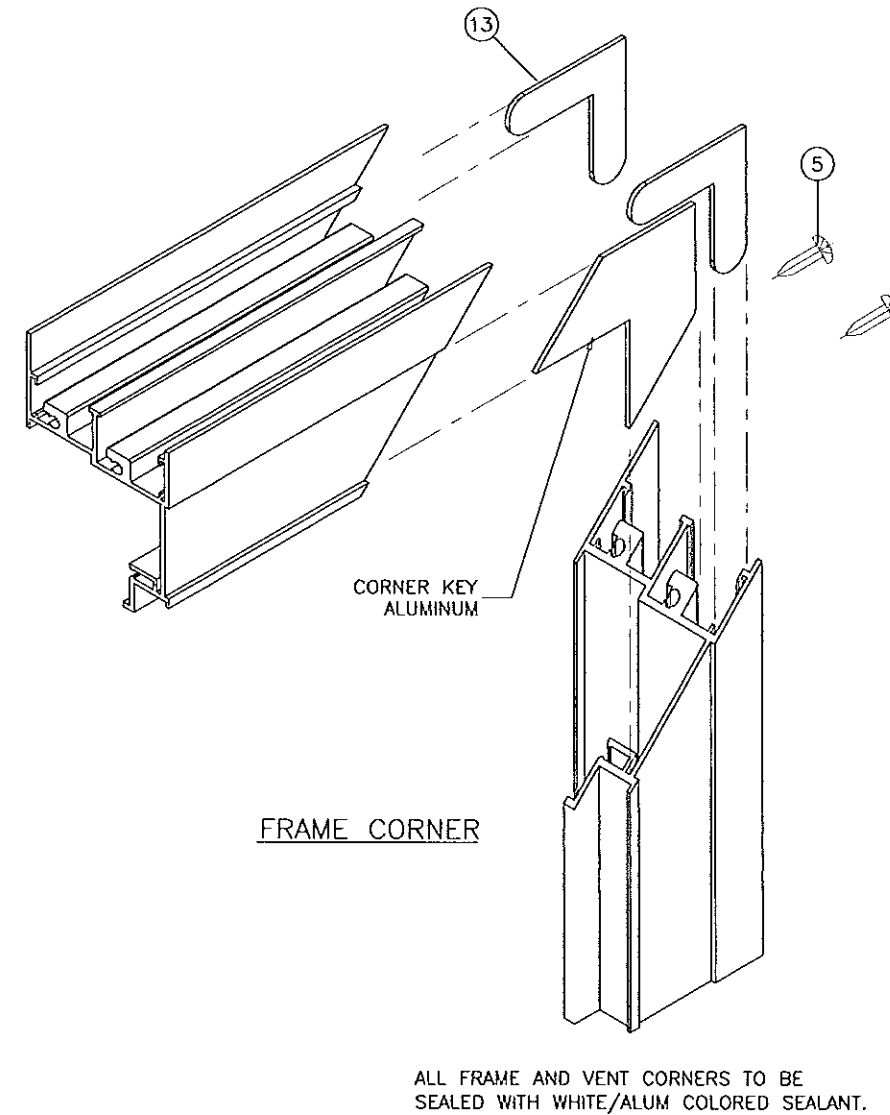
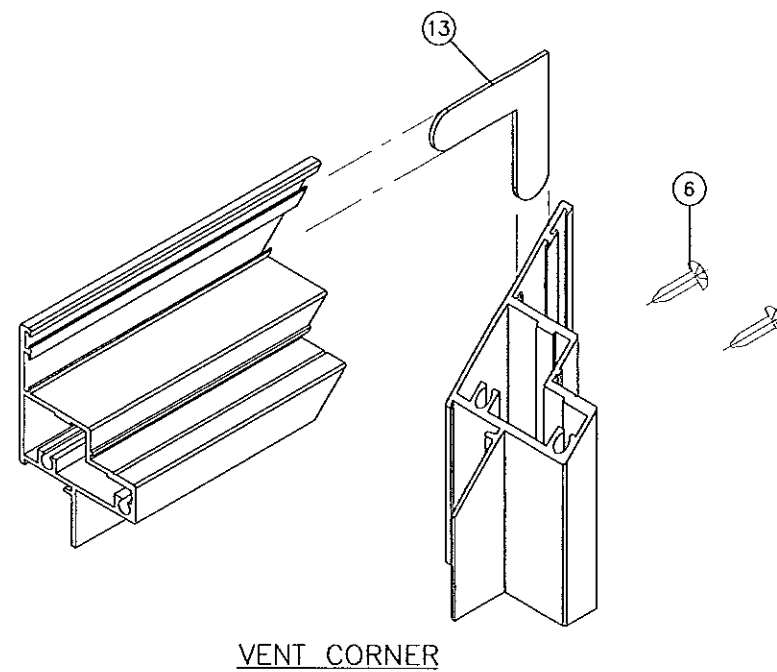
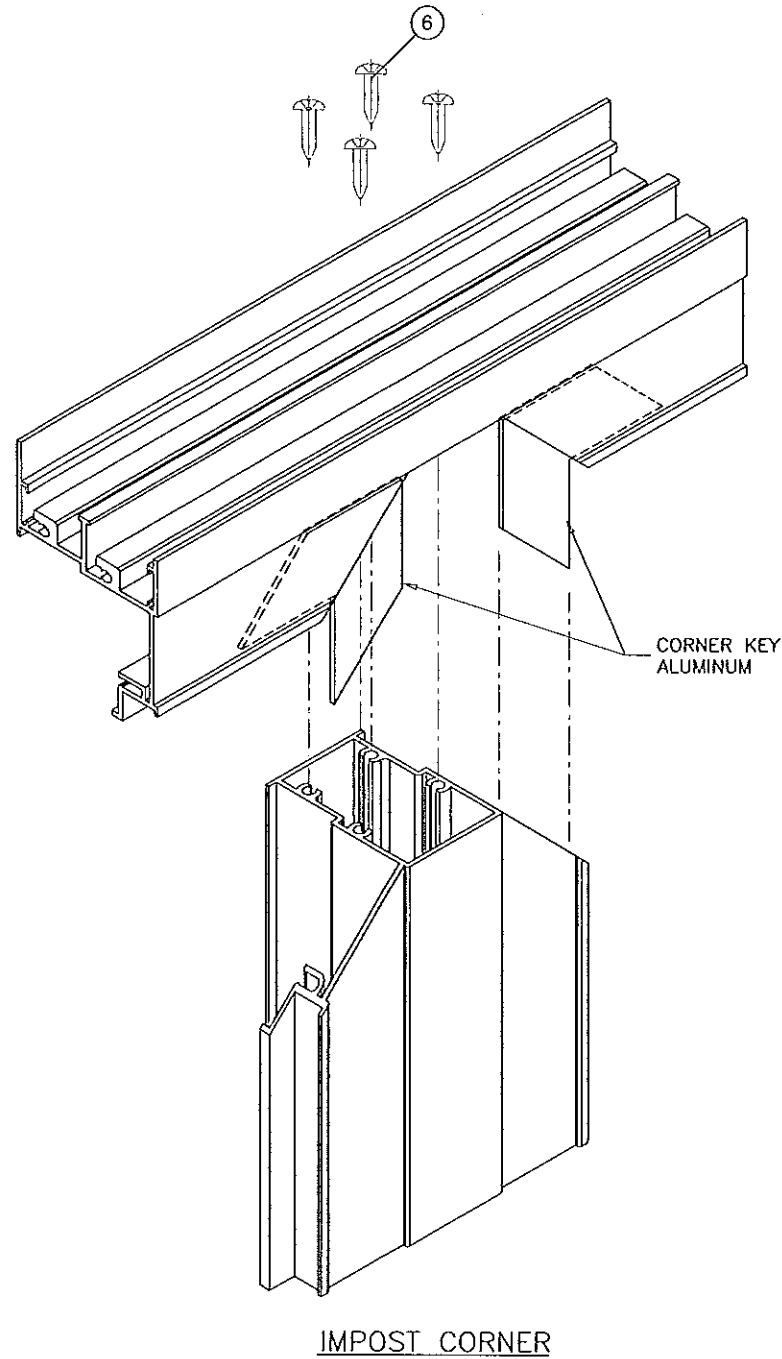
ALUM OUTSWING CASEMENT WINDOW (L.M.I.)
FLORIDA WINDOW SYSTEMS CORP.
7191 N.W. 77 TERRACE
MEDLEY, FL. 33166
TEL. (305) 805-9420 FAX (305) 805-9424

revisions:	no	date	by	description
	B	06.20.07		UPDATED FOR 2004 FBC
	C	03.28.12		NO CHANGE THIS SHEET
	D	11.01.13		NO CHANGE THIS SHEET

date: 05-28-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-36
sheet 5 of 6

AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
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COMP-ANL\W03-36FWS

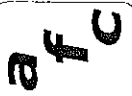


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By *Muhammad*
Miami Dade Product Control



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revisions:		no	date	by	description
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